

AMENDMENT

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Currently amended claims are shown with additions underlined and deletions in ~~striketrough text~~. No new matter is added by this amendment.

1.-33. (Canceled)

34. (New) A prosthesis, produced by a process comprising:

conveying a first bone filler material into a first cavity defined by a region of cancellous bone such that the first bone filler material defines a periphery of a second cavity within the first cavity; and

conveying a second bone filler material into the second cavity such that the second bone filler material is substantially enclosed by the first bone filler material.

35. (New) The prosthesis of claim 34, the process further comprising:

defining the first cavity within the region of cancellous bone by compressing a portion of the cancellous bone using an inflatable member.

36. (New) The prosthesis of claim 34, wherein a portion of the first bone filler is disposed within a venous passage defined by the region of cancellous bone.

37. (New) The prosthesis of claim 34, wherein the conveying the first bone filler material is performed using a shaft, the process further comprising:

moving the shaft after the conveying the first bone filler material such a distal end of the shaft is disposed within a bolus defined by the first bone filler material.

38. (New) The prosthesis of claim 34, wherein the conveying the second bone filler material is performed after the conveying the first bone filler material.

39. (New) The prosthesis of claim 34, wherein the region of cancellous bone defines at least a portion of a barrier of the first cavity.

40. (New) The prosthesis of claim 34, wherein the region of cancellous bone defines at least a portion of a shell substantially inhibiting extravazation of the first bone filler material from the first cavity.

41. (New) The prosthesis of claim 34, wherein at least one of the first bone filler material or the second bone filler material includes bone cement.

42. (New) The prosthesis of claim 34, wherein at least one of the first bone filler material or the second bone filler material includes bone graft material.

43. (New) The prosthesis of claim 34, wherein at least one of the first bone filler material or the second bone filler material includes a stent.

44. (New) The prosthesis of claim 34, wherein the first bone filler material defines a barrier substantially inhibiting extravazation of the second bone filler material from the second cavity.

45. (New) The prosthesis of claim 34, wherein the second bone filler material is substantially isolated from the region of cancellous bone.

46. (New) The prosthesis of claim 34, wherein the second bone filler material is a bolus.

47. (New) A prosthesis, produced by a process comprising:
compressing a first bone filler material within a first cavity defined by a region of cancellous bone such that an inner surface of the first bone filler material defines a second cavity; and

conveying a second bone filler material into the second cavity such that the second bone filler material is substantially enclosed by the first bone filler material.

48. (New) The prosthesis of claim 47, the process further comprising:
defining the first cavity within the region of cancellous bone by compressing a portion of the cancellous bone.

49. (New) The prosthesis of claim 47, wherein:
an inner surface of the region of cancellous bone defines the first cavity; and
an outer surface of the first bone filler material substantially covers the inner surface of the region of cancellous bone.

50. (New) The prosthesis of claim 47, wherein the compressing is performed using an expandable member.

51. (New) The prosthesis of claim 47, the process further comprising:
conveying the first bone filler material into the first cavity before the conveying the second bone filler material into the second cavity.

52. (New) The prosthesis of claim 47, wherein the first bone filler material defines a barrier substantially inhibiting extravazation of the second bone filler material from the second cavity.

53. (New) The prosthesis of claim 47, wherein the second bone filler material is substantially isolated from the region of cancellous bone.

54. (New) The prosthesis of claim 47, wherein the inner surface of the first bone filler material substantially surrounds the second bone filler material.

55. (New) The prosthesis of claim 47, wherein the second bone filler material is a bolus.

56. (New) A prosthesis to be positioned within a vertebral cavity formed by a compressing a region of cancellous bone such that an inner surface of the vertebral cavity is an extravazation-inhibiting barrier, the prosthesis comprising:

a first layer including a first bone filler material disposed within the vertebral cavity, an inner surface of the first layer defining an inner cavity; and

a second layer including a second bone filler material disposed with the inner cavity such that the second layer is substantially enclosed by the first layer.

57. (New) The prosthesis of claim 56, wherein the second layer substantially fills the inner cavity.

58. (New) The prosthesis of claim 56, wherein the first layer is produced by a process comprising:

conveying the first layer into the vertebral cavity when the first layer is in a flowable state; and

compressing the first layer against the inner surface of the vertebral cavity such that the first layer substantially covers the inner surface of the vertebral cavity.

59. (New) The prosthesis of claim 56, wherein the first layer is produced by a process comprising:

conveying the first layer into the vertebral cavity when the first layer is in a flowable state; and

compressing the first layer against the inner surface of the vertebral cavity such that a portion of the first layer is disposed within a venous passage defined by the region of cancellous bone.

60. (New) The prosthesis of claim 56, wherein the second layer is produced by a process comprising:

conveying the second layer into the inner cavity when the second layer is in a flowable state and when the first layer is at least partially hardened.

61. (New) The prosthesis of claim 56, wherein the second layer is substantially isolated from the inner surface of the vertebral body.

62. (New) The prosthesis of claim 56, wherein the inner surface of the first layer substantially surrounds the second layer.